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(54) BACK WASHING METHOD OF SEPARATING MEMBRANE

operations.

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(57) Abstract:

PURPOSE: To allow easy back washing of a separating membrane by closing the valve of a discharge pipeline to nearly equalize the pressure between the internal pressure of a supply pipeline and the internal pressure of the discharge pipeline, then opening the valve of a recycle pipe to drop the internal pressure of the supply pipeline.

CONSTITUTION: An original liquid is introduced by a supply pump 3 from an original liquid tank 1 into a separating membrane module 2 and the filtrate separated by the module 2 is introduced into a filtrate tank 10. The recycle pipe 5 having a 1st valve 6 is connected to the supply pipeline 4 from the supply pipe 3 to the module 2. An accumulator 7 and a 2nd valve 8 are disposed to the discharge pipeline 9 from the module 2 to the filtrate tank 10. This valve 8 is closed to nearly equalize the internal pressure of the supply pipeline 4 and the internal pressure of the discharge pipeline 9; thereafter, the valve 6 is opened to drop the internal pressure of the supply pipeline 4. The separating membrane is back washed by these simple

